

CLAIMS

1. A method of adjusting a tappet clearance in an engine valve between an adjusting screw in a rocker arm and a valve stem, comprising:
 - driving the adjusting screw until the face portion of the valve stem is separate from a valve seat, thereafter loosening the adjusting screw to retract the valve stem while measuring torque;
 - determining an adjusting origin from the measured torque; and
 - loosening the adjusting screw by an amount corresponding to a clearance setting specified value from the determined adjusting origin.

2. A method of adjusting and confirming a tappet clearance in an engine valve between an adjusting screw in a rocker arm and a valve stem, comprising:
 - driving the adjusting screw until the face portion of the valve stem is separate from a valve seat, thereafter loosening the adjusting screw to retract the valve stem while measuring torque;
 - determining an adjusting origin from the measured torque;
 - loosening the adjusting screw by an amount corresponding to a clearance setting specified value from the determined adjusting origin; and
 - confirming the clearance setting specified value with a displacement gauge.

3. A device for adjusting and confirming a tappet clearance in an engine valve between an adjusting screw in a rocker arm and a valve stem, comprising:
 - a driver set for manipulating the adjusting screw with a first nutrunner;
 - a socket set for manipulating the adjusting nut with a second nutrunner;
 - a torque gauge for measuring an operating torque of the adjusting screw;
 - a computing unit capable of obtaining the adjusting origin from torque measurements; and

a displacement gauge capable of directly or indirectly measuring displacement of the adjusting screw,

wherein the displacement gauge is used for confirming a clearance setting specified value.